NCHC_Intern_WebApp

A [Trame](#) web app that interact with .vtu/.vtk files compactly and intuitively.

Trame

trame - An open-source platform for creating interactive and powerful visual analytics applications. Based on **Python**, and leveraging platforms such as **VTK**, **ParaView**, and **Vega**, it is possible to create web-based applications in minutes.

Installation

Install Dependencies

```
❯ pip install "vtk>=9.1.0" trame
```

Run Server

```
❯ python app.py --port 8080
```

Introduction

Tech Stack

- Trame
  - A **Python** integration framework to easily build web applications
- VTK
  - **VTK**(*Visualization Toolkit*) is for 3D computer graphics, modeling, image processing, volume rendering, scientific visualization, and 2D plotting.
- Vuetify
  - A **Vue** UI Library with beautifully handcrafted Material Components

APP_URL

**http://localhost:8080 **

Development

Requirements

```
❯ git clone https://github.com/kypkk/NCHC_Intern_WebApp.git

❯ cd NCHC_Intern_WebApp

❯ pip install requirements.txt
```

Guides

[VTK in Trame](#)
[Vuetify in Trame](#)
[Vuetify Components](#)
[Useful VTK Examples](#)\